

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

REPORT

CD NO.

COUNTRY Germany (Russian Zone)
SUBJECT Production at Bunawerke, Schkopau

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50X1-HUM

THIS IS UNEVALUATED INFORMATION

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Planned and actual production in November 1950 at the Bunawerke, Schkopau, were as follows:

Commodity	Production (tons)		Consumption of Raw Materials
	Planned	Actual	
"A" Department			
Carbide	36,000	36,730.3	Lime (planned) 1,111 kg/ton (actual) 1,043 " Coke (planned) 587 " (actual) 603 " Quality: Liters Acetylene per kg normal carbide: (planned) 250 l/kg (actual) 266
Acetylene	11,440	11,502	Carbide per ton acetylene (planned) 3182 kg/ton (actual) 3177 " Quality: mg per m ³ acetylene (planned) 160 mg per m ³ (actual) 62.8 " " "
Sintered lime	7,900	7,313	
Buna lime (dispatch)	28,000	29,474	
Acetaldehyde	13,345	13,436.8	Acetylene 624.7 kg/ton Sulphuric acid 0.74 " Nitric acid 1.97 " Iron vitriol 1.34 " Mercury 1.03 " Soda lye 2.4 "

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Commodity	Production (tons)		Consumption of Raw Materials
	Planned	Actual	
"A" Department			
Acetic acid (technically pure)	1,705	1,717.3	
Acetic Acid (chemically pure)	435	443.4	
Acetone	250	258	Acetic acid (100%) (planned) 2247 kg/ton (actual) 2240 "
Soda lye	4,050	4,159	Rock salt (planned) 1,632 kg/ton (actual) 1,462 " Quality: NaOH concentration (planned) 45% (actual) 50.5%
Hydrochloric acid	1,555	1,591	Sulphuric acid kg per ton Hydro- chloric acid gas (planned) 27 kg/ton (actual) 18 " Quality: HCl content (planned) 96% (actual) 37.5%
Aluminum chloride (a) containing iron (b) free of iron	105 75	107.86 75.03	(a) Coke per ton (planned) 279 kg/ton (actual) 254 " Oxygen (planned) 205 m ³ /ton (actual) 191 " Bauxite (planned) 490 kg/ton (actual) ? Aluminium chloride (a) kg per ton aluminium chloride (b) (planned) 1400 kg/ton (actual) 1392 "
New Contacts:			
AH Contact	?	2,671	
Contact 1059	?	15,108	Nickel - kg per ton contact 1059 (planned) 105 " (actual) 95 " Copper: (planned) 29 " (actual) 25 " Chromic acid: (planned) 20 " (actual) 15.6 " Nitric acid: (planned) 650 " (actual) 490 " Kaolin: (planned) 1,950 " (actual) 1,750 "
"K" Department			
Aldol 100%	6,580	6,624.64	
Paraldehyde distilled " 100%	1,300 1,240	? 1,267.53	
Aldol spirit 100%	2,710	2,794.629	Quality: 100% paraldehyde content in paraldehyde technical (planned) 90% (actual) 94.24

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<u>Commodity</u>	<u>Production (tons)</u>		<u>Consumption of Raw Materials</u>
	<u>Planned</u>	<u>Actual</u>	
Aldol hydrogenation:			
Crude Butol 100%	5,755	5,780	Acetaldehyde:
Spirit total	2,710	2,795	kg per ton hydrogenated spirit:
Butanol distilled	920	926	(planned) 1,027
			(actual) 1,012
			Quality: Acetaldehyde content in
			crude butol: (planned) 0.15%
			(actual) 0.12%
			Acetaldehyde content in spirit:
			(planned) 0.8%
			(actual) 0.17%
Butol distillation:			
Pure butol	5,620	5,664.5	Quality: Water 0.30% actual
			Acetal 0.47% "
			Double
			unions 0.15% "
			"Siendein-
			tervall" 5.8% "
			Quality: Spirit:
			Content 95% actual
			Aldehyde 0.08% "
			Double unions 0.01% "
Butanol	920	925.5	Quality:
			Aldehyde 0.06% "
			Acetal 0.26% "
			Double unions 0.02% "
			Color count 1
Paraldehyde distilled	1,300	1,325.5	Quality:
			Paraldehyde dist. Acetaldehyde
			1.96% actual
			Paraldehyde 95.5% "
			Acetic Acid 0.02% "
Butadiene	2,645	2,671	Butol (planned) 2,125 kg/ton
			(actual) 2,123 "
			Quality:
			Purity of butadiene 99.68% actual
Styrol	1,000	1,000.5	Ethylene benzol per ton
			(planned) 1,125 kg/ton
			(actual) 1,123 "
			Ethylene (planned) 315 kg/ton
			(actual) 313 "
			Pure benzol (planned) 865 kg/ton
			(actual) 863 "
			Aluminum chloride (planned) 20 "
			(actual) 22.9 "
			Quality:
			Boiling pt. of pure benzol 0.23°
			" " " " ethylene ben-
			zol 0.24°
			Purity of styrol 99.92%
Acetates:			
Methylacetate	?	270	Methanol (planned) 618 kg/ton
			(actual) 591 "
Butylacetate	?	430	Acetic acid (planned) 750 kg/ton
			(actual) 750 "

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Commodity	Production (tons)		Consumption of Raw Materials
	Planned	Actual	
Solvent E13	?	245	Butanol (planned) 784 kg/ton Butyl-
Ethyl Acetate	?	1,110	acetate
Isopropyl acetate			(actual) 740 " "
(by-product)	?	5	Acetic acid (planned) 491 " "
			(actual) 489 " "
			Quality:
			Methylacetate 80% Ester content
			Butylacetate 89.3%
Hydrogenated ethylene	1,640	1,650	Acetylene:
			(planned) 1,160 kg/ton Ethylene
			(actual) 1,180 " "
			All contact:
			(planned) 2.7 " "
			(actual) 1.7 " "
			Quality: Purity of ethylene 97.9%
Butadiene contact	2,645	2,671	Phosphoric acid:
			(planned) 92 kg/ton contact
			(actual) 95.8 " "
Ethylacetate T	540	557.6	Acetaldehyde (planned) 1,090 kg/ton
			(actual) 1,059 " "
			Spirit (planned) 28 " "
			(actual) 6.45 " "
			Aluminum (planned) 5.5 " "
			shavings (actual) 5.2 " "
			Quality:
			(planned) 97% ethylacetate content
			(actual) 98.2% " "
<u>"P" Department</u>			
Buna S-Polymerisation:			
Buna S 3 (Satex)	3,060	3,160.630	
Buna SS 3 (Satex)	30	30.30	
Igetex SS special	30	60.167	
Perbunan extra (Satex)	70	70.4	
Experiment	?	1.5	
Buna S-Working -Up			
(Aufarbeitung):			
Buna S 3	3,040	3,066	Quality: Buna 100% standard Product
Buna SS 3 (Satex)	30	30	Packing: 99.5%
Perbunan extra	70	45	capable of reparations packing
Igelite foil	0	17	(Reparationsfähige Verpackg.)
Polystyrol EFS	6	5	
Numbered Buna:			
(a) Buna 85	40	9	Butadiene:
(b) Buna 32	200	179.05	(planned) 994 kg/ton (a)
			(actual) 955 " "
			(planned) 1,020 kg/ton (b)
			(actual) 1,005 " "
P.C.U.	1,600	1,604	Vinyl chloride: (planned) ?
			(actual) 1,011 kg/ton
			Mersolate: (planned) ?
			(actual) 33.2 kg/ton
			Quality: 100% Standard Product
Polystyrol - EF	60	60	Styrol: (planned) 1,037 kg/ton
			(actual) 1,010 " "

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Commodity	Production (tons)		Consumption of Raw Materials
	Planned	Actual	
SS Oil SS 906	514	524	Ethylene: (planned) 1,350 kg/ton (actual) 1,300 " Quality: 100% Standard Product
Polystyrol- BW	40	43.5	Monostyrol: (planned) 1,030 kg/ton (actual) 1,020 "
<u>"Z" Department</u>			
Phthalic acid	575	515	Naphthalin: (planned) 1,020 kg/ton phthalic acid hydride Quality: Phthalic acid hydride content 99.83%
Formaldehyde 30%	1,500	1,500.2	Methanol: (planned) 1,370 kg/ton formaldehyde 100% (actual) 1,333 " 30% Quality: Formaldehyde 30% Methanol content 2.1%
Palatinol and Yanthate	163	165.7	Butanol: (planned) 650 kg/ton palatinol C (actual) 646 " " " Ethylhexanol: (planned) 789 " " AH (actual) 783 " " "
Vinyl chloride	2,220	2,227	Acetylene: (planned) 433 kg/ton (actual) 428 " Quality: Whole production conforms to standard; "Siedein- tervall" 0.47 degrees
Trichloroethylene	700	721	Acetylene: (planned) 216 kg/ton (actual) 205.5 "
Perchloroethylene	?	65	
Tetrachloroethane	?	61	
Ethyleneoxide	545	568.6	Ethylene: (planned) 395 kg/ton (actual) 350 " Purity: 99.3%
Ethylene chloride	?	87.9	
Ethylene chlorhydrate 100%	?	1.8	
Glykol	485	500.5	Ethylene oxide: (planned) 879 kg/ton (actual) 875 " By-products: Diglykol and Triglykol: (planned) 1% (actual) 11.8%
Triethanolamine (technical)	?	7.5	Trichloroethylene: (planned) 1,700 kg/ton chloroacetic acid
Triethanolamine (distilled)	?	3.3	(actual) 1,756 " " "

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<u>Commodity</u>	<u>Production (tons)</u>		<u>Consumption of Raw Materials</u>
	<u>Planned</u>	<u>Actual</u>	
Oxyd wax A	?	11.1	Sulphuric acid: (planned) 470 kg/ton chloroacetic acid
Sapal 100%	?	10.6	(actual) 254 " " "
Emulsifier IF	?	5.85	
Monochloroacetic Acid	61,000	61,125	

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